

TABLE OF CONTENTS

	PAGE
Introduction.....	i-ii
The effect of surface films and dusts on the rate of transpiration (with plate 1).....B. M. Duggar and J. S. Cooley	1-22
Some pure culture methods in the algæ.....Jacob R. Schramm	23-45
The identification of the most characteristic sali- vary organism and its rela- tion to the pollution of air (with plate 2).....August G. Nolte	47-80
The Polyporaceæ of Ohio..L. O. Overholts	81-155
A contribution to our knowl- edge of the relation of cer- tain species of grass-green algæ to elementary nitro- gen (with one figure and plate 3).....Jacob R. Schramm	157-184
The Thelephoraceæ of North America. I. (with plates 4 and 5).....Edward A. Burt	185-228
Indications regarding the source of combined nitro- gen for <i>Ulva Lactuca</i>G. L. Foster	229-235
The effect of certain condi- tions upon the acidity of tomato fruits....B. M. Duggar and M. C. Merrill	237-240
A method for the differential staining of fungous and host cells.....R. E. Vaughan	241-242

TABLE OF CONTENTS

	PAGE
Two trunk diseases of the mesquite (with plates 6 and 7).....	Hermann von Schrenk 243-252
A trunk disease of the lilac (with plates 8 and 9).....	Hermann von Schrenk 253-262
Descriptions of North American Senecioneæ (with plates 10, 11, 12, 13, and 14).....	J. M. Greenman 263-290
A study of the physiological relations of <i>Sclerotinia cinerea</i> (Bon.) Schröter.....	J. S. Cooley 291-326
The Thelephoraceæ of North America. II. <i>Craterellus</i> (with plates 15, 16, and 17)	Edward A. Burt 327-350
The effects of surface films on the rate of transpiration: experiments with potted potatoes (with plate 18).....	B. M. Duggar and J. S. Cooley 351-356
The Thelephoraceæ of North America. III. <i>Craterellus borealis</i> and <i>Cyphella</i> (with plate 19).....	Edward A. Burt 357-382
Some oenotheras from Cheshire and Lancashire (with plates 20, 21, and 22)....	R. R. Gates 383-400
A Texan species of <i>Megapterium</i> (with plate 23)....	R. R. Gates 401-404
Diagnoses of flowering plants, chiefly from the southwestern United States and Mexico (with plates 24, 25 and 26)	J. M. Greenman and C. H. Thompson 405-418
Enzyme action in <i>Fucus vesiculosus</i> L.....	B. M. Duggar and A. R. Davis 419-426
General index to volume I.....	427-432